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# foreign agriculture circular

U. S. Department of Agriculture  
Foreign Agricultural Service  
Economics, Statistics and  
Cooperatives Service

## World Crop Production

Approved by the World Food and Agricultural Outlook and Situation Board • USDA

WCP-9-80

September 11, 1980

### WORLD GRAIN CROPS UNCHANGED, OILSEED AND COTTON PROSPECTS DECLINE

| Region                                | 1978/79 | 1979/80<br>est. | 1980/81 proj.<br>Aug. | Sep.  |
|---------------------------------------|---------|-----------------|-----------------------|-------|
| Total grains (Million metric tons) 1/ |         |                 |                       |       |
| World                                 | 1,579.8 | 1,519.8         | 1,558                 | 1,561 |
| United States                         | 273.0   | 299.0           | 267                   | 265   |
| Rest of world                         | 1,306.8 | 1,220.8         | 1,291                 | 1,296 |
| Oilseeds (Million metric tons)        |         |                 |                       |       |
| World                                 | 155.8   | 176.6           | 166.8                 | 164.2 |
| United States                         | 58.4    | 72.3            | 59.6                  | 57.6  |
| Rest of world                         | 97.4    | 104.4           | 107.2                 | 106.6 |
| Cotton (Million bales)                |         |                 |                       |       |
| World                                 | 60.0    | 65.5            | 64.9                  | 63.4  |
| United States                         | 10.9    | 14.6            | 12.8                  | 11.7  |
| Rest of world                         | 49.1    | 50.9            | 52.1                  | 51.7  |

1/ Includes rice on a rough basis.

- \* Total world grain production for 1980/81 is forecast at 1,561 million tons, slightly higher than last month's projection and nearly 2 percent larger than the 1979/80 harvest. Crop prospects have improved in Western Europe and Canada in the past month and deteriorated in the United States and China.
- \* World 1980/81 wheat production is forecast at 448 million tons, up 1 percent from last month, and virtually the same as the record 1978/79 crop. Since last month, production forecasts have been increased for Canada, Western Europe, and Argentina, while India's crop was slightly smaller than indicated earlier.
- \* World 1980/81 coarse grain production is forecast at 721 million tons, about steady with the August estimate, and 1 percent below 1979/80's production. Reduced crop prospects, mainly in the United States, have been offset by larger than expected crops in Canada and Western Europe.
- \* World rice production in 1980/81 is forecast at a record 392 million tons, down less than 1 percent from last month, but still 5 percent larger than the 1979/80 harvest. Reduced crop prospects in China have been partially offset by improved growing conditions in Indonesia and Bangladesh.

## WORLD CROP PROJECTIONS

Projections of 1980/81 world crop production are still highly tentative. The projections include Northern Hemisphere winter grain crops and spring crops such as corn, soybeans, and cotton that will be harvested this fall; plus Southern Hemisphere winter grain crops that have been planted and spring crops to be planted this fall. Thus, both climatic and market developments over the next several months will influence production prospects around the world.

Crop projections generally are based on surveys, historical trends in area and yield, plus analysts' judgements. The projected ranges in this report should encompass final outcomes about two out of three times. The reliability of past world production estimates and measures of production variability are on pages 13 through 15.

Forecasts of 1980 U.S. acreage, yield, and production for crops, except sunflowers, are from the U.S. Crop Production report released today by the Crop Reporting Board of ESCS.

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The World Crop Production report draws on information from USDA's global network of agricultural attaches, commodity analysts, country regional specialists, and the staff of the NOAA/USDA Joint Agricultural Weather Facility. The report is prepared by the Foreign Agricultural Service (FAS), the Economics, Statistics and Cooperatives Service (ESCS), and the World Food and Agricultural Outlook and Situation Board (WFAOSB). Principal contributors include:

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A P P R O V E D :



ACTING SECRETARY



(continued from page 1)

- \* World oilseed production is estimated at 164 million metric tons for 1980/81, down 3 million tons from the August estimate and 12 million tons below the 1979/80 crop. The major downward revision in output is in the United States with foreign production down only slightly.
- \* U.S. production of all oilseeds in 1980/81 is estimated at 58 million metric tons. A further decline in U.S. soybean yields and harvested acreage, because of continued hot, dry weather in key southern States, accounted for much of the downward revision. Cottonseed production also declined, down 0.4 million tons and peanuts by 0.3 million.
- \* Production of oilseeds outside the United States is estimated at 107 million tons, down 600,000 tons from the August estimate. Reduced projections for USSR soybeans, Argentine sunflowerseeds, and China's cottonseed account for much of the reduction. The Canadian rapeseed forecast is up by 300,000 tons.
- \* Global cotton production this season is projected at 63.4 million bales, down 1.5 million from last month's estimate and slightly over 2 million below the 1979/80 level. Continued hot, dry weather in the United States and excessive rain in China have caused significant deterioration in crop prospects since August 1. These declines more than offset improved crop conditions in Pakistan. World yields in 1980/81 now are likely to be about 5.5 percent less than last year's record high.

#### WEATHER HIGHLIGHTS THROUGH SEPTEMBER 11

UNITED STATES--Widespread showers have produced significant rainfall in the north-central States and most of the Corn Belt. However, the southeastern States and East Coast received below-normal rainfall in August. Temperatures remained above-normal in much of the nation. The hot, dry pattern continued into September except for Gulf coastal regions which received significant rainfall from a tropical storm. Crops continue to be stressed in the southeastern United States.

USSR--Cool and wet weather prevailed across the northern portions of the grain belt. Harvesting is most active in this area, and grain quality should be suffering. Harvest delays are greatest in the northwestern part of the belt, where the optimal time for planting next year's winter grains has already passed.

CHINA--Heavy rainfall continued in the Yangtze Valley through much of August. With reservoirs already nearly filled, there has been some flooding. Many crops in the region were nearing maturity and were susceptible to damage from the heavy rains. Conditions in most other major agricultural areas were nearer normal.

EUROPE--Small grain harvest conditions generally improved in August. Some areas remained too wet as the harvest shifted from winter to spring grains, but most areas had relatively good weather.

INDIA--Abundant rainfall continued through August over most of India. There was, however, persistent dryness in parts of Tamil Nadu and a tapering off of rainfall during early September in the Gujarat area. In spite of reports of flooding, overall crop production potential remains high.

ARGENTINA--Dry weather has prevailed in the winter wheat belt of Argentina since the beginning of August and rainfall will be needed soon.

CANADA--Above-normal rains fell during August in much of the Canadian grain belt except for southwestern Saskatchewan and southeastern Alberta. Monthly temperatures were below normal. Crop development has been slowed and harvests delayed by wet conditions in much of the northern and eastern grain belt.

World crop production summary 1/

|           | Major regions and countries |        |                |                |      |                   |            |          |           |           |          |
|-----------|-----------------------------|--------|----------------|----------------|------|-------------------|------------|----------|-----------|-----------|----------|
|           |                             |        |                |                |      | Centrally Planned | South Asia |          | Near East |           |          |
|           |                             |        |                |                |      |                   |            |          |           |           |          |
| Commodity | United States               | Canada | Western Europe | Eastern Europe | USSR | Asia              |            | Pakistan | India     | Indonesia | Thailand |
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1/ 1979/80 estimates are preliminary. The 1980/81 projections are based on surveys, trends, and judgement of commodity and country analysts. USDA Crop Reporting Board estimates are used for the United States. 2/ Includes total of wheat, coarse grains, and rice shown above. Projected Soviet crop of 210 million tons in special circular FG-24-80 (9-11-80) includes around 11 million tons of rice, minor grains, and pulses.

World crop production summary 1/--Continued

| Major regions and countries   |                 |        |           |             |              |         |          |        |         |
|-------------------------------|-----------------|--------|-----------|-------------|--------------|---------|----------|--------|---------|
| : Middle East                 | : Latin America | :      | :         | :Total for  | :            | :       | : World  | :      | :       |
| : and                         | : and           | :      | : Oceania | : major     | :            | : Other | : less   | :      | :       |
| : Africa                      | : Caribbean     | :      | :         | : regions   | :            | : coun- | : United | :      | : World |
| :South                        | :Argen-         | :      | :         | : and       | :            | : tries | : States | :      | :       |
| :Africa                       | :Turkey         | : tina | : Brazil  | :Australia: | : countries: | :       | :        | :      | :       |
| ---Million metric tons---     |                 |        |           |             |              |         |          |        |         |
| 1.7                           | 13.3            | 8.1    | 2.7       | 18.1        | 423.2        | 24.5    | 398.7    | 447.7  | : 1     |
| 2.2                           | 12.7            | 8.1    | 2.9       | 16.0        | 396.1        | 23.1    | 360.9    | 419.2  | : 2     |
| 2.0                           | 13.8            | 8.4    | 2.8       | 15.5        | 417.4        | 25.8    | 379.9    | 443.2  | : 3     |
| 1.9                           | 13.8            | 8.8    | 2.8       | 15.5        | 422.0        | 25.9    | 383.9    | 448.0  | : 4     |
| 8.8                           | 7.3             | 17.2   | 16.6      | 7.1         | 665.6        | 82.1    | 529.6    | 747.7  | : 5     |
| 11.0                          | 7.0             | 10.8   | 20.1      | 6.1         | 650.4        | 76.6    | 492.4    | 726.9  | : 6     |
| 10.2                          | 7.1             | 17.1   | 19.5      | 6.6         | 640.9        | 80.0    | 523.8    | 720.9  | : 7     |
| 10.2                          | 7.1             | 17.1   | 20.5      | 6.6         | 641.9        | 79.5    | 526.9    | 721.4  | : 8     |
| ---                           | ---             | .3     | 7.6       | .7          | 284.3        | 100.1   | 378.4    | 384.4  | : 9     |
| ---                           | ---             | .3     | 9.7       | .7          | 273.6        | 100.1   | 367.5    | 373.7  | : 10    |
| ---                           | ---             | .3     | 9.6       | .7          | 292.8        | 101.1   | 387.3    | 393.9  | : 11    |
| ---                           | ---             | .3     | 10.0      | .7          | 289.4        | 102.2   | 385.2    | 391.6  | : 12    |
| 10.5                          | 20.6            | 25.6   | 26.9      | 25.9        | 1373.1       | 206.7   | 1306.8   | 1579.8 | : 13    |
| 13.2                          | 19.7            | 19.2   | 32.7      | 22.8        | 1320.1       | 199.7   | 1220.8   | 1519.8 | : 14    |
| 12.2                          | 20.9            | 25.8   | 31.9      | 22.8        | 1351.1       | 206.9   | 1291.0   | 1558.0 | : 15    |
| 12.1                          | 20.9            | 26.2   | 33.3      | 22.8        | 1353.3       | 207.6   | 1296.0   | 1561.0 | : 16    |
| ---                           | ---             | 6.1    | 11.6      | ---         | 127.1        | 16.5    | 97.4     | 155.8  | : 17    |
| ---                           | ---             | 5.4    | 16.5      | ---         | 146.2        | 17.4    | 104.4    | 176.6  | : 18    |
| ---                           | ---             | 6.5    | 16.7      | ---         | 136.0        | 17.8    | 107.2    | 166.8  | : 19    |
| ---                           | ---             | 6.3    | 16.7      | ---         | 133.8        | 17.7    | 106.6    | 164.2  | : 20    |
| ---Million 480-pound bales--- |                 |        |           |             |              |         |          |        |         |
| ---                           | 2.2             | .8     | 2.6       | ---         | 47.0         | 13.0    | 49.1     | 60.0   | : 21    |
| ---                           | 2.2             | .8     | 2.6       | ---         | 53.0         | 12.5    | 50.9     | 65.5   | : 22    |
| ---                           | 2.1             | .9     | 2.8       | ---         | 52.0         | 12.9    | 52.1     | 64.9   | : 23    |
| ---                           | 2.1             | .9     | 2.8       | ---         | 50.7         | 12.7    | 51.7     | 63.4   | : 24    |

3 Totals for major regions and countries and other countries include the five major oilseeds shown elsewhere in this report, while world total also includes sesameseed, safflowerseed, flaxseed, castorbeans, copra, and palm kernels for countries shown plus other countries.

---No production reported or insignificant production.

\*Totals may not add due to rounding.



## Wheat area, yield, and production: World and selected countries and regions 1/

| Region/country             | Area                   |                   | Yield                   |                   | Production                    |                   |
|----------------------------|------------------------|-------------------|-------------------------|-------------------|-------------------------------|-------------------|
|                            | : 1978/79              | : 1980/81         | : 1978/79               | : 1980/81         | : 1978/79                     | : 1980/81         |
|                            | : 1979/80 : proj.      | : 1979/80 : proj. | : 1979/80 : proj.       | : 1979/80 : proj. | : 1979/80 : proj.             | : 1980/81 : proj. |
|                            | ---Million hectares--- |                   | Metric tons per hectare |                   | -----Million metric tons----- |                   |
| United States              | : 23.0                 | : 25.3            | : 29.0                  | : 2.12            | : 2.21                        | : 48.9            |
| Canada                     | : 10.6                 | : 10.5            | : 11.3                  | : 2.00            | : 1.55                        | : 21.1            |
| Western Europe             | : 15.9                 | : 15.5            | : 16.2                  | : 3.69            | : 3.82                        | : 58.5            |
| Eastern Europe             | : 10.2                 | : 9.2             | : 10.0                  | : 3.50            | : 3.50                        | : 35.8            |
| USSR                       | : 62.9                 | : 57.7            | : 60.0                  | : 1.92            | : 1.72                        | : 120.8           |
| Centrally Planned Asia     |                        |                   |                         |                   |                               |                   |
| PRC                        | : 27.6                 | : 28.2            | : 27.6                  | : 1.96            | : 2.05                        | : 54.0            |
| South Asia                 |                        |                   |                         |                   |                               |                   |
| India                      | : 21.5                 | : 22.2            | : 21.5                  | : 1.48            | : 1.42                        | : 31.7            |
| Pakistan                   | : 6.4                  | : 6.6             | : 6.9                   | : 1.31            | : 1.57                        | : 8.4             |
| Middle East and Africa     |                        |                   |                         |                   |                               |                   |
| South Africa               | : 1.8                  | : 1.9             | : 1.9                   | : .94             | : .99                         | : 1.7             |
| Turkey                     | : 8.6                  | : 8.6             | : 8.6                   | : 1.55            | : 1.60                        | : 13.3            |
| Latin America & Caribbean  |                        |                   |                         |                   |                               |                   |
| Argentina                  | : 4.7                  | : 4.7             | : 5.1                   | : 1.73            | : 1.73                        | : 8.1             |
| Brazil                     | : 2.8                  | : 3.8             | : 3.0                   | : .96             | : .95                         | : 2.7             |
| Oceania                    |                        |                   |                         |                   |                               |                   |
| Australia                  | : 10.2                 | : 11.8            | : 11.5                  | : 1.78            | : 1.35                        | : 18.1            |
| Total above                | : 206.1                | : 206.1           | : 212.6                 | : 2.05            | : 1.98                        | : 423.2           |
| Other countries & regions  | : 20.4                 | : 20.3            | : 20.9                  | : 1.20            | : 1.24                        | : 24.5            |
| World                      | : 226.5                | : 226.4           | : 233.5                 | : 1.98            | : 1.92                        | : 447.7           |
| World less United States   | : 203.5                | : 201.1           | : 204.5                 | : 1.96            | : 1.88                        | : 398.7           |
| Major foreign exporters 2/ | : 25.5                 | : 26.9            | : 27.9                  | : 1.86            | : 1.49                        | : 47.3            |

1/ Totals and averages based on unrounded data. 1979/80 is estimated and preliminary. 1980/81 is projected based on surveys, trends, and analysts' judgement.

2/ Includes Canada, Australia, and Argentina.



Coarse grains area, yield, and production: World and selected countries and regions 1/

| Region/country             | Area      |           |                         | Yield     |           |                               | Production |           |           |         |
|----------------------------|-----------|-----------|-------------------------|-----------|-----------|-------------------------------|------------|-----------|-----------|---------|
|                            | :         | :         | :                       | :         | :         | :                             | :          | :         | :         | :       |
|                            | : 1978/79 | : 1979/80 | : 1980/81               | : 1978/79 | : 1979/80 | : 1980/81                     | : 1978/79  | : 1979/80 | : 1980/81 | : proj. |
|                            | : 1978/79 | : 1979/80 | : 1980/81               | : 1978/79 | : 1979/80 | : 1980/81                     | : 1978/79  | : 1979/80 | : 1980/81 | : proj. |
| -----Million hectares----- |           |           | Metric tons per hectare |           |           | -----Million metric tons----- |            |           |           |         |
| United States              | 42.7      | 41.4      | 40.6                    | 5.11      | 5.67      | 4.79                          | 218.1      | 234.5     | 197.1     | 194.5   |
| Canada                     | 7.8       | 7.1       | 8.0                     | 2.60      | 2.63      | 2.65                          | 20.3       | 18.6      | 18.9      | 21.1    |
| Western Europe             | 25.4      | 25.2      | 24.8                    | 3.70      | 3.59      | 3.80                          | 94.0       | 90.6      | 93.1      | 94.2    |
| Eastern Europe             | 19.2      | 19.9      | 19.3                    | 3.15      | 3.18      | 3.15                          | 60.4       | 63.4      | 61.6      | 60.8    |
| USSR                       | 58.0      | 61.2      | 60.0                    | 1.82      | 1.31      | 1.60                          | 105.3      | 80.0      | 96.0      | 96.0    |
| Centrally Planned Asia     |           |           |                         |           |           |                               |            |           |           |         |
| PRC                        | 38.5      | 38.7      | 38.7                    | 1.99      | 2.00      | 2.07                          | 76.5       | 77.5      | 80.0      | 80.0    |
| South Asia                 |           |           |                         |           |           |                               |            |           |           |         |
| India                      | 42.3      | 41.3      | 41.9                    | .72       | .66       | .72                           | 30.6       | 27.1      | 30.2      | 30.2    |
| Near East and Other Asia   |           |           |                         |           |           |                               |            |           |           |         |
| Thailand                   | 1.7       | 1.7       | 1.8                     | 1.91      | 2.05      | 2.01                          | 3.3        | 3.6       | 3.6       | 3.5     |
| Middle East and Africa     |           |           |                         |           |           |                               |            |           |           |         |
| South Africa               | 5.3       | 5.4       | 5.5                     | 1.66      | 2.03      | 1.85                          | 8.8        | 11.0      | 10.2      | 10.2    |
| Turkey                     | 4.1       | 3.9       | 3.9                     | 1.79      | 1.79      | 1.82                          | 7.3        | 7.0       | 7.1       | 7.1     |
| Latin America & Caribbean  |           |           |                         |           |           |                               |            |           |           |         |
| Argentina                  | 6.4       | 4.9       | 6.2                     | 2.71      | 2.19      | 2.75                          | 17.2       | 10.8      | 17.1      | 17.1    |
| Brazil                     | 11.6      | 12.2      | 12.8                    | 1.44      | 1.66      | 1.60                          | 16.6       | 20.1      | 19.5      | 20.5    |
| Oceania                    |           |           |                         |           |           |                               |            |           |           |         |
| Australia                  | 4.7       | 4.5       | 4.6                     | 1.51      | 1.35      | 1.42                          | 7.1        | 6.1       | 6.6       | 6.6     |
| Total above                | 267.6     | 267.4     | 268.1                   | 2.49      | 2.43      | 2.39                          | 665.6      | 650.4     | 640.9     | 641.9   |
| Other countries & regions  |           |           |                         |           |           |                               |            |           |           |         |
|                            | 79.1      | 76.7      | 78.1                    | 1.04      | 1.00      | 1.02                          | 82.1       | 76.6      | 80.0      | 79.5    |
| World                      | 346.7     | 344.2     | 346.2                   | 2.16      | 2.11      | 2.08                          | 747.7      | 726.9     | 720.9     | 721.4   |
| World less United States   |           |           |                         |           |           |                               |            |           |           |         |
|                            | 304.0     | 302.8     | 305.5                   | 1.74      | 1.63      | 1.72                          | 529.6      | 492.4     | 523.8     | 526.9   |
| Major foreign ex-          |           |           |                         |           |           |                               |            |           |           |         |
| porters 2/                 | 37.5      | 35.8      | 38.9                    | 1.96      | 1.96      | 2.03                          | 73.3       | 70.2      | 75.8      | 79.0    |

1/ Totals and averages based on unrounded data. 1979/80 is estimated and preliminary. 1980/81 is projected based on surveys, trends and analysts' judgement.

2/ Includes Canada, Australia, Argentina, South Africa, Thailand, and Brazil.



Soybean area, yield, and production: World and selected countries and regions 1/

| Region/country                  | Area                       |          |         | Yield                   |          |         | Production                    |          |               |       |
|---------------------------------|----------------------------|----------|---------|-------------------------|----------|---------|-------------------------------|----------|---------------|-------|
|                                 | :                          | :        | :       | :                       | :        | :       | :                             | :        | :             |       |
|                                 | :1978/79                   | :1979/80 | : proj. | :1978/79                | :1979/80 | : proj. | :1978/79                      | :1979/80 | : Aug. : Sep. |       |
|                                 | -----Million hectares----- |          |         | Metric tons per hectare |          |         | -----Million metric tons----- |          |               |       |
| United States                   | 25.63                      | 28.54    | 27.46   | 1.99                    | 2.16     | 1.82    | 50.90                         | 61.72    | 51.18         | 49.84 |
| Canada                          | .28                        | .28      | .28     | 1.81                    | 2.38     | 2.37    | .52                           | .67      | .61           | .67   |
| Eastern Europe                  | .36                        | .45      | .52     | 1.26                    | 1.41     | 1.20    | .45                           | .64      | .67           | .62   |
| USSR                            | .82                        | .84      | .85     | .78                     | .52      | .52     | .64                           | .44      | .65           | .44   |
| Centrally Planned Asia          |                            |          |         |                         |          |         |                               |          |               |       |
| PRC                             | 7.30                       | 7.30     | 7.40    | 1.14                    | 1.14     | 1.18    | 8.30                          | 8.30     | 8.70          | 8.70  |
| South Asia                      |                            |          |         |                         |          |         |                               |          |               |       |
| India                           | .18                        | .24      | .26     | .83                     | .83      | .83     | .15                           | .20      | .22           | .22   |
| Latin America & Caribbean       |                            |          |         |                         |          |         |                               |          |               |       |
| Argentina                       | 1.60                       | 1.75     | 2.00    | 2.31                    | 1.89     | 2.10    | 3.70                          | 3.30     | 4.20          | 4.20  |
| Brazil                          | 8.04                       | 8.50     | 8.92    | 1.27                    | 1.76     | 1.70    | 10.20                         | 15.00    | 15.20         | 15.20 |
| Paraguay                        | .36                        | .48      | .60     | 1.23                    | 1.58     | 1.35    | .45                           | .75      | .81           | .81   |
| Total above                     | 44.57                      | 48.38    | 48.30   | 1.69                    | 1.88     | 1.67    | 75.31                         | 91.02    | 82.23         | 80.70 |
| Other countries & regions       | 2.22                       | 2.43     | 2.32    | 1.15                    | 1.23     | 1.16    | 2.54                          | 2.98     | 2.69          | 2.70  |
| World                           | 46.79                      | 50.81    | 50.61   | 1.66                    | 1.85     | 1.65    | 77.85                         | 94.00    | 84.92         | 83.39 |
| World less United States        | 21.16                      | 22.27    | 23.15   | 1.27                    | 1.45     | 1.45    | 26.95                         | 32.28    | 33.74         | 33.56 |
| Major foreign ex-<br>porters 2/ | 10.00                      | 10.72    | 11.52   | 1.44                    | 1.78     | 1.75    | 14.35                         | 19.05    | 20.21         | 20.21 |

1/ Totals and averages based on unrounded data. 1979/80 is estimated and preliminary. 1980/81 is projected based on surveys, trends and analysts' judgement.

2/ Includes Argentina, Brazil, and Paraguay.



Oilseeds production: World and selected countries, regions, and commodities 1/

|                 |            | Major regions and countries |        |                |                |      |      |                      |          |
|-----------------|------------|-----------------------------|--------|----------------|----------------|------|------|----------------------|----------|
|                 |            |                             |        |                |                |      |      | Centrally:           |          |
|                 |            |                             |        |                |                |      |      | Planned : South Asia |          |
| Commodity       |            | United States               | Canada | Western Europe | Eastern Europe | USSR | Asia |                      |          |
|                 |            |                             |        |                |                |      | PRC  | India                | Pakistan |
|                 |            | ---Million metric tons---   |        |                |                |      |      |                      |          |
| :Cottonseed     |            |                             |        |                |                |      |      |                      |          |
| 1:              | 1978/79    | 3.87                        | ---    | .33            | .04            | 4.80 | 4.33 | 2.80                 | .92      |
| 2:              | 1979/80    | 5.24                        | ---    | .28            | .04            | 5.17 | 4.41 | 2.55                 | 1.38     |
|                 | : 1980/81  |                             |        |                |                |      |      |                      |          |
| 3:              | Aug. proj. | 4.55                        | ---    | .34            | .04            | 5.24 | 4.65 | 2.62                 | 1.26     |
| 4:              | Sep. proj. | 4.15                        | ---    | .34            | .04            | 5.24 | 4.48 | 2.62                 | 1.34     |
|                 | :          |                             |        |                |                |      |      |                      |          |
| :Peanuts        |            |                             |        |                |                |      |      |                      |          |
| : (In-shell)    |            |                             |        |                |                |      |      |                      |          |
| 5:              | 1978/79    | 1.81                        | ---    | .02            | ---            | ---  | 2.38 | 6.39                 | .05      |
| 6:              | 1979/80    | 1.81                        | ---    | .02            | ---            | ---  | 2.82 | 6.00                 | .06      |
|                 | : 1980/81  |                             |        |                |                |      |      |                      |          |
| 7:              | Aug. proj. | 1.68                        | ---    | .02            | ---            | ---  | 2.95 | 6.30                 | .06      |
| 8:              | Sep. proj. | 1.42                        | ---    | .02            | ---            | ---  | 2.95 | 6.30                 | .06      |
|                 | :          |                             |        |                |                |      |      |                      |          |
| :Sunflowerseed: |            |                             |        |                |                |      |      |                      |          |
| 9:              | 1978/79    | 1.84 <u>3/</u>              | .12    | .61            | 1.96           | 5.33 | .28  | ---                  | ---      |
| 10:             | 1979/80    | 3.50 <u>3/</u>              | .22    | .73            | 2.27           | 5.37 | .36  | .01                  | ---      |
|                 | : 1980/81  |                             |        |                |                |      |      |                      |          |
| 11:             | Aug. proj. | 2.00-2.40 <u>3/</u>         | .15    | .79            | 2.08           | 5.40 | .70  | .01                  | ---      |
| 12:             | Sep. proj. | 2.00-2.40 <u>3/</u>         | .15    | .81            | 2.01           | 5.40 | .70  | .01                  | ---      |
|                 | :          |                             |        |                |                |      |      |                      |          |
| :Rapeseed       |            |                             |        |                |                |      |      |                      |          |
| 13:             | 1978/79    | ---                         | 3.50   | 1.65           | 1.36           | .01  | 1.87 | 1.88                 | .24      |
| 14:             | 1979/80    | ---                         | 3.41   | 1.55           | .71            | .02  | 2.40 | 1.70                 | .30      |
|                 | : 1980/81  |                             |        |                |                |      |      |                      |          |
| 15:             | Aug. proj. | ---                         | 2.00   | 2.03           | 1.31           | .02  | 2.40 | 1.80                 | .30      |
| 16:             | Sep. proj. | ---                         | 2.30   | 2.08           | 1.15           | .02  | 2.40 | 1.80                 | .30      |
|                 | :          |                             |        |                |                |      |      |                      |          |

1/ Totals and averages based on unrounded data. 1979/80 is estimated and preliminary. 1980/81 is projected based on surveys, trends and analysts' judgement.

2/ Countries included: India, Sudan, Argentina, and Brazil for cottonseed; Eastern Europe and Argentina, sunflowerseed; Canada, rapeseed; and India, Senegal, Sudan, Argentina, and Brazil, peanuts.

3/ Assumes reported production for four States representing 95 percent of U.S. total.

---No production reported or less than 5,000 tons.

Oilseeds production: World and selected countries, regions, and commodities--Cont.

| Major regions and countries |          |        |               |          |       |             |          |        |        |        | :       | : | : | : |
|-----------------------------|----------|--------|---------------|----------|-------|-------------|----------|--------|--------|--------|---------|---|---|---|
| Middle East                 |          |        | Latin America |          |       | Total for:  | Other    | :      | :      | World  | Major   |   |   |   |
| and                         |          |        | and           |          |       | major       | coun-    | :      | :      | less   | foreign |   |   |   |
| Africa                      |          |        | Caribbean     |          |       | regions     | tries    | World: | United | :      | ex-     |   |   |   |
| :                           | :        | :      | Argen-        | :        | Para- | and         | :        | and    | :      | States | porters |   |   |   |
| :Egypt:                     | Senegal: | Sudan: | tina          | :Brazil: | guay  | :countries: | regions: | :      | :      | :      | 2/      |   |   |   |
| ---Million metric tons---   |          |        |               |          |       |             |          |        |        |        |         |   |   |   |
| .74                         | ---      | .24    | .33           | .91      | .14   | 19.45       | 4.31     | 23.76  | 19.89  | 4.28   | : 1     |   |   |   |
| .78                         | ---      | .24    | .33           | 1.00     | .18   | 21.60       | 4.02     | 25.61  | 20.37  | 4.11   | : 2     |   |   |   |
| .74                         | ---      | .26    | .35           | 1.07     | .23   | 21.34       | 4.16     | 25.50  | 20.95  | 4.30   | : 3     |   |   |   |
| .74                         | ---      | .26    | .34           | 1.07     | .23   | 20.84       | 4.14     | 24.98  | 20.82  | 4.28   | : 4     |   |   |   |
| .03                         | 1.05     | .83    | .67           | .46      | .02   | 13.70       | 4.68     | 18.37  | 16.56  | 9.40   | : 5     |   |   |   |
| .03                         | .70      | 1.10   | .27           | .48      | .02   | 13.30       | 4.98     | 18.28  | 16.48  | 8.55   | : 6     |   |   |   |
| .03                         | .90      | 1.10   | .40           | .44      | .02   | 13.89       | 5.02     | 18.91  | 17.23  | 9.14   | : 7     |   |   |   |
| .03                         | .90      | 1.10   | .42           | .44      | .02   | 13.67       | 5.01     | 18.68  | 17.25  | 9.16   | : 8     |   |   |   |
| .01                         | ---      | ---    | 1.43          | ---      | ---   | 11.59       | 1.22     | 12.81  | 10.97  | 3.39   | : 9     |   |   |   |
| .01                         | ---      | ---    | 1.51          | ---      | ---   | 14.00       | 1.30     | 15.29  | 11.79  | 3.78   | : 10    |   |   |   |
| .01                         | ---      | ---    | 1.50          | ---      | ---   | 12.83       | 1.48     | 14.30  | 12.10  | 3.58   | : 11    |   |   |   |
| .01                         | ---      | ---    | 1.35          | ---      | ---   | 12.65       | 1.46     | 14.11  | 11.91  | 3.36   | : 12    |   |   |   |
| ---                         | ---      | ---    | ---           | ---      | ---   | 10.51       | .28      | 10.79  | 10.79  | 3.50   | : 13    |   |   |   |
| ---                         | ---      | ---    | ---           | ---      | ---   | 10.09       | .33      | 10.42  | 10.42  | 3.41   | : 14    |   |   |   |
| ---                         | ---      | ---    | ---           | ---      | ---   | 9.86        | .33      | 10.18  | 10.18  | 2.00   | : 15    |   |   |   |
| ---                         | ---      | ---    | ---           | ---      | ---   | 10.04       | .32      | 10.36  | 10.36  | 2.30   | : 16    |   |   |   |

Cotton (all kinds) area, yield, and production: World and selected countries and regions 1/

| Region/country                  | Area                   |          |         | Yield                 |          |         | Production                    |          |        |        |
|---------------------------------|------------------------|----------|---------|-----------------------|----------|---------|-------------------------------|----------|--------|--------|
|                                 | :                      | :        | :       | :                     | :        | :       | :                             | :        | :      | :      |
|                                 | :1978/79               | :1979/80 | : proj. | :1978/79              | :1979/80 | : proj. | :1978/79                      | :1979/80 | : Aug. | : Sep. |
|                                 | ---Million hectares--- |          |         | Kilograms per hectare |          |         | ---Million 480-pound bales--- |          |        |        |
| United States                   | 5.0                    | 5.2      | 5.4     | 472                   | 614      | 472     | 10.9                          | 14.6     | 12.8   | 11.7   |
| USSR                            | 3.0                    | 3.1      | 3.1     | 878                   | 925      | 922     | 12.3                          | 13.1     | 13.3   | 13.3   |
| Centrally Planned Asia          |                        |          |         |                       |          |         |                               |          |        |        |
| PRC                             | 4.7                    | 4.5      | 4.7     | 461                   | 491      | 477     | 10.0                          | 10.1     | 10.7   | 10.3   |
| South Asia                      |                        |          |         |                       |          |         |                               |          |        |        |
| India                           | 8.0                    | 8.2      | 8.2     | 171                   | 161      | 166     | 6.3                           | 6.1      | 6.3    | 6.3    |
| Pakistan                        | 1.9                    | 2.0      | 2.0     | 244                   | 366      | 359     | 2.1                           | 3.4      | 3.1    | 3.3    |
| Middle East and Africa          |                        |          |         |                       |          |         |                               |          |        |        |
| Egypt                           | .5                     | .5       | .5      | 878                   | 961      | 847     | 2.0                           | 2.2      | 2.1    | 2.1    |
| Sudan                           | .4                     | .4       | .4      | 358                   | 327      | 333     | .6                            | .6       | .6     | .6     |
| Turkey                          | .7                     | .6       | .6      | 728                   | 780      | 726     | 2.2                           | 2.2      | 2.1    | 2.1    |
| Latin America & Caribbean       |                        |          |         |                       |          |         |                               |          |        |        |
| Argentina                       | .6                     | .6       | .6      | 274                   | 298      | 344     | .8                            | .8       | .9     | 9      |
| Brazil                          | 2.0                    | 2.0      | 2.0     | 290                   | 287      | 306     | 2.6                           | 2.6      | 2.8    | 2.8    |
| Central America 2/              | .4                     | .3       | .3      | 833                   | 849      | 859     | 1.6                           | 1.1      | 1.2    | 1.2    |
| Mexico                          | .4                     | .4       | .4      | 964                   | 860      | 889     | 1.5                           | 1.5      | 1.5    | 1.5    |
| Total above                     | 27.5                   | 27.8     | 28.3    | 418                   | 458      | 432     | 52.8                          | 58.4     | 57.4   | 56.1   |
| Other countries & regions       | 4.6                    | 4.6      | 4.8     | 342                   | 339      | 329     | 7.2                           | 7.1      | 7.5    | 7.3    |
| World                           | 32.1                   | 32.3     | 33.1    | 407                   | 441      | 417     | 60.0                          | 65.5     | 64.9   | 63.4   |
| World less United States        | 27.1                   | 27.1     | 27.7    | 395                   | 408      | 406     | 49.1                          | 50.9     | 52.1   | 51.7   |
| Major foreign ex-<br>porters 3/ | 7.2                    | 7.3      | 7.4     | 673                   | 721      | 710     | 22.4                          | 24.1     | 24.0   | 24.2   |

1/ Totals and averages based on unrounded data. 1979/80 estimates are preliminary. 1980/81 is projected based on surveys, trends, and analysts' judgement.

2/ Includes Nicaragua, Guatemala, El Salvador, Honduras, and Costa Rica.

3/ Includes the USSR, Pakistan, Egypt, Sudan, Turkey, Central America, and Mexico.



WHEAT: RELIABILITY OF SEPTEMBER WORLD CROP PRODUCTION FORECASTS

| Region                                 | Standard Error of Estimate from<br>Trend-68% Confidence Level |          | Seven Year Record of Difference<br>Between September Forecast & Final Estimate |                                      |      |    |   |     |
|--|---|----------|--|--------------------------------------|------|----|---|-----|
|  | Percent   | Quantity | Average<br>Percent   | Quantity<br>Average:Smallest:Largest |      |    | Number of Years <sup>2/</sup><br>Below : Above<br>Final : Final |     |
|  | Million MT  |          |  | (-----Million MT-----)               |      |    |   |     |
| <u>North America</u>                   |   |          |  |                                      |      |    |   |     |
| Canada                                 | 16.8  | 3        | 3.3  | 1                                    | - 1/ | 2  | 6   | 1   |
| United States                          | 9.3   | 5        | 0.4  | -                                    | -    | 1  | 3   | 2   |
| <u>Western Europe</u>                  | 7.6   | 4        | 3.2  | 2                                    | -    | 3  | 4   | 3   |
| <u>Eastern Europe</u>                  | 11.9  | 4        | 5.3  | 1                                    | -    | 4  | 5   | 2   |
| <u>Oceania</u>                         |   |          |  |                                      |      |    |   |     |
| Australia                              | 20.2  | 2        | 19.9   | 2                                    | -    | 5  | 5   | 2   |
| <u>South Asia</u>                      |   |          |  |                                      |      |    |   |     |
| India                                  | 9.1   | 2        | 4.3  | 1                                    | -    | 3  | 4   | 2   |
| Pakistan                               | 6.5   | 1        |  |                                      |      |    | N/A   | N/A |
| <u>Centrally Planned Asia</u>          |   |          |  |                                      |      |    |   |     |
| China                                  | 9.5   | 4        |  |                                      |      |    | N/A   | N/A |
| <u>USSR</u>                            | 16.6  | 16       | 11.2   | 10                                   | 5    | 19 | 4   | 3   |
| <u>Middle East and Africa</u>          |   |          |  |                                      |      |    |   |     |
| South Africa                           | 16.7  | -        |  |                                      |      |    | N/A   | N/A |
| Turkey                                 | 9.3   | 1        |  |                                      |      |    | N/A   | N/A |
| <u>Latin America &amp; Caribbean</u>   |   |          |  |                                      |      |    |   |     |
| Argentina                              | 22.5  | 2        | 15.4   | 1                                    | -    | 2  | 5   | 2   |
| Brazil                                 | 47.6  | 1        |  |                                      |      |    | N/A   | N/A |
| <u>Total Above</u>                     |   |          | 5.0  | 15                                   | 5    | 24 | 4   | 3   |
| <u>Others</u>                          | 6.4   | 3        | 1.9  | 2                                    | -    | 4  | 6   | 1   |
| <u>World Total</u>                     | 5.6   | 21       | 3.9  | 15                                   | 5    | 27 | 4   | 3   |
| <u>World Less U.S.</u>                 | 7.2   | 23       | 4.5  | 15                                   | 5    | 27 | 4   | 3   |
| <u>Major Competitors <sup>3/</sup></u> | 8.0   | 3        | 8.2  | 3                                    | 1    | 7  | 5   | 2   |

<sup>1/</sup> Less than 500,000 tons

<sup>2/</sup> May not add up to 7 if September estimate was the same as final

<sup>3/</sup> Includes Canada, Australia, and Argentina

Note 1: N/A means no published forecasts are available.

Note 2: Standard errors of the estimates are derived from 10 year production trends, 1970-1979; percent error is calculated at the mean. The 7 year record is based upon absolute differences from final estimates.

FAS:CP:G&F:August 19, 1980

31/AR9

COARSE GRAINS: RELIABILITY OF SEPTEMBER WORLD CROP PRODUCTION FORECASTS

| Region                                 | Standard Error of Estimate from<br>Trend-68% Confidence Level |            | Seven Year Record of Difference<br>Between September Forecast & Final Estimate |                                      |      |    |     | Number of Years <sup>2/</sup><br>Below : Above<br>Final : Final |  |
|--|---|------------|--|--------------------------------------|------|----|-----|---|--|
|  | Percent   | Quantity   | Average<br>Percent   | Quantity<br>Average:Smallest:Largest |      |    |     |   |  |
|  |   | Million MT |  | (-----Million MT-----)               |      |    |     |   |  |
| <u>North America</u>                   |   |            |  |                                      |      |    |     |   |  |
| Canada                                 | 9.8   | 2          | 6.9  | 1                                    | - 1/ | 2  | 4   | 3   |  |
| United States                          | 9.3   | 17         | 3.6  | 6                                    | 1    | 10 | 5   | 2   |  |
| <u>Western Europe</u>                  | 6.7   | 6          | 1.8  | 2                                    | -    | 4  | 5   | 2   |  |
| <u>Eastern Europe</u>                  | 4.9   | 3          | 4.5  | 2                                    | 1    | 5  | 6   | 1   |  |
| <u>Oceania</u>                         |   |            |  |                                      |      |    |     |   |  |
| Australia                              | 19.2  | 1          | 18.7   | 1                                    | -    | 2  | 3   | 4   |  |
| <u>South Asia</u>                      |   |            |  |                                      |      |    |     |   |  |
| India                                  | 9.6   | 3          |  |                                      |      |    | N/A | N/A   |  |
| <u>Centrally Planned Asia</u>          |   |            |  |                                      |      |    |     |   |  |
| China                                  | 4.1   | 3          |  |                                      |      |    | N/A | N/A   |  |
| <u>Near East &amp; Other Asia</u>      |   |            |  |                                      |      |    |     |   |  |
| Thailand                               | 19.2  | -          | 4.4  | -                                    | -    | -  | 1   | 3   |  |
| <u>USSR</u>                            | 18.2  | 16         | 9.1  | 8                                    | 3    | 12 | 3   | 4   |  |
| <u>Middle East and Africa</u>          |   |            |  |                                      |      |    |     |   |  |
| South Africa                           | 27.3  | 2          | 13.1   | 1                                    | -    | 3  | 5   | 2   |  |
| Turkey                                 | 15.2  | 1          |  |                                      |      |    | N/A | N/A   |  |
| <u>Latin America &amp; Caribbean</u>   |   |            |  |                                      |      |    |     |   |  |
| Argentina                              | 20.0  | 3          | 21.8   | 3                                    | 1    | 6  | 4   | 3   |  |
| Brazil                                 | 10.2  | 2          | 7.8  | 2                                    | -    | 3  | 4   | 3   |  |
| <u>Total Above</u>                     |   |            | 2.7  | 13                                   | 7    | 24 | 4   | 3   |  |
| <u>Others</u>                          | 4.6   | 4          | 3.0  | 4                                    | 1    | 10 | 4   | 3   |  |
| <u>World Total</u>                     | 3.5   | 23         | 2.5  | 15                                   | 4    | 25 | 4   | 3   |  |
| <u>World Less U.S.</u>                 | 4.0   | 19         | 3.1  | 13                                   | 9    | 29 | 3   | 4   |  |
| <u>Major Competitors <sup>3/</sup></u> | 5.8   | 4          | 4.5  | 2                                    | -    | 6  | 2   | 4   |  |

1/ Less than 500,000 tons

2/ May not add to 7 if September estimate was the same as final

3/ Includes Canada, Australia, Argentina, S. Africa, Thailand, and Brazil

Note 1: N/A means no published forecasts are available.

Note 2: Standard errors of the estimates are derived from 10 year production trends, 1970-1979; percent error is calculated at the mean. The 7 year record is based upon absolute differences from final estimates.

FAS:CP:C&F:August 19, 1980  
31/AR8

Cotton, rice (rough), and oilseeds production: 1980/81 trend projections and  
standard errors 1/

| Regions          | Cotton                 |       |          | Rice (rough)           |       |          | Oilseeds               |       |               |
|------------------|------------------------|-------|----------|------------------------|-------|----------|------------------------|-------|---------------|
|                  | Trend :Standard error: |       |          | Trend :Standard error: |       |          | Trend :Standard error: |       |               |
|                  | Pro-                   | Quan- |          | Pro-                   | Quan- |          | Pro-                   | Quan- |               |
|                  | jection:               | tity  | Percent: | jection:               | tity  | Percent: | jection:               | tity  | Percent:      |
|                  | --Mil. bales--         |       |          | ---Mil. MT---          |       |          | ---Mil. MT---          |       |               |
| North America :  |                        |       |          |                        |       |          |                        |       |               |
| Canada :         | ---                    | ---   | ---      | ---                    | ---   | ---      | 2.9 <u>2/</u>          | .8    | 27.6          |
| U.S. <u>3/</u> : | 11.7                   | .8    | 6.8      | 6.4                    | .2    | 3.2      | 49.8                   | .8    | 1.6           |
| Western Europe : | ---                    | ---   | ---      | 1.6                    | .1    | 6.7      | ---                    | ---   | ---           |
| Eastern Europe : | ---                    | ---   | ---      | ---                    | ---   | ---      | ---                    | ---   | ---           |
| USSR :           | 13.2                   | .4    | 3.0      | 2.5                    | .1    | 7.7      | 5.4 <u>4/</u>          | .8    | 14.8          |
| Centrally :      |                        |       |          |                        |       |          |                        |       |               |
| Planned Asia :   |                        |       |          |                        |       |          |                        |       |               |
| PRC :            | 10.2                   | .9    | 8.8      | 143.4                  | 3.2   | 3.0      | ---                    | ---   | ---           |
| South Asia :     |                        |       |          |                        |       |          |                        |       |               |
| Bangladesh :     | ---                    | ---   | ---      | 18.8                   | 1.1   | 6.6      | ---                    | ---   | ---           |
| Burma :          | ---                    | ---   | ---      | 9.7                    | .6    | 7.2      | ---                    | ---   | ---           |
| India :          | 6.1                    | .5    | 8.2      | 74.9                   | 5.8   | 9.4      | 6.1 <u>5/</u>          | .8    | 13.1          |
| Pakistan :       | 2.4                    | .5    | 20.8     | 4.9                    | .2    | 6.4      | ---                    | ---   | ---           |
| Near East & :    |                        |       |          |                        |       |          |                        |       |               |
| Other Asia :     |                        |       |          |                        |       |          |                        |       |               |
| Indonesia :      | ---                    | ---   | ---      | 26.1                   | 1.1   | 5.7      | ---                    | ---   | ---           |
| Japan :          | ---                    | ---   | ---      | 15.1                   | 1.1   | 7.0      | ---                    | ---   | ---           |
| South Korea :    | ---                    | ---   | ---      | 7.6                    | .5    | 8.6      | ---                    | ---   | ---           |
| Thailand :       | ---                    | ---   | ---      | 16.6                   | .8    | 6.0      | ---                    | ---   | ---           |
| Middle East :    |                        |       |          |                        |       |          |                        |       |               |
| and Africa :     |                        |       |          |                        |       |          |                        |       |               |
| Egypt :          | 1.8                    | .2    | 11.1     | ---                    | ---   | ---      | ---                    | ---   | ---           |
| Senegal :        | ---                    | ---   | ---      | ---                    | ---   | ---      | .7 <u>5/</u>           | .3    | 42.8          |
| South Africa :   | ---                    | ---   | ---      | ---                    | ---   | ---      | ---                    | ---   | ---           |
| Sudan :          | .5                     | .2    | 40.0     | ---                    | ---   | ---      | ---                    | ---   | ---           |
| Turkey :         | 2.4                    | .3    | 12.5     | ---                    | ---   | ---      | ---                    | ---   | ---           |
| Latin America :  |                        |       |          |                        |       |          |                        |       |               |
| & Caribbean :    |                        |       |          |                        |       |          |                        |       |               |
| Argentina :      | 1.0                    | .1    | 10.0     | .4                     | .1    | 16.7     | ---                    | ---   | ---           |
| Brazil :         | 2.4                    | .4    | 16.7     | 8.5                    | .8    | 11.6     | 15.5 <u>6/</u>         | 1.7   | 11.0          |
| Mexico :         | 1.4                    | .4    | 28.6     | ---                    | ---   | ---      | ---                    | ---   | ---           |
| Oceania :        |                        |       |          |                        |       |          |                        |       |               |
| Australia :      | ---                    | ---   | ---      | .6                     | .1    | 20.0     | ---                    | ---   | ---           |
| Foreign :        | 50.3                   | 2.7   | 5.4      | 379.1                  | 8.7   | 2.9      | ---                    | ---   | ---           |
| World :          | 63.3                   | 4.2   | 6.6      | 385.1                  | 8.7   | 2.8      | 17.0                   | 8.5   | 5.0 <u>7/</u> |

1/ This table provides a measure of year-to-year variability in production from linear trend during 1970/71-1979/80 for cotton and oilseeds and 1960/61-1979/80 for rice. Data reflect one standard error, i.e. 68-percent confidence level. In the case of USSR cotton, for example, there is a 68-percent probability that 1980/81 production will total within 0.4 million bales or 3.0 percent of the trend projection of 13.2 million. Production estimates may differ from trend, based on analysts' judgement and other factors. 2/ Rapeseed. 3/ Crop Reporting Board estimates of U.S. production and associated root mean square errors. Oilseeds are soybeans only. 4/ Sunflowerseed. 5/ Peanuts. 6/ Soybeans. 7/ Percentages for individual oilseeds: soybeans, 6.4; cottonseed, 6.1; sunflowerseed, 9.3; peanuts, 5.5; and rapeseed 8.9.



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